CLAIMS

1. A simplified loading device in which a permanent magnet is arranged between a moving element and a fixed element for holding said moving element, a magnetic fluid is disposed in a gap developed at some midpoint in a magnetic circuit in which the magnetic flux of said permanent magnet passes through said moving element, and a shearing force of said magnetic fluid produced by the magnetic flux of said permanent magnet is exerted on said moving element as a loading force.

2. A simplified loading device in which a permanent magnet is arranged between a rotating shaft and a fixed element for holding said rotating shaft, a magnetic fluid is disposed in a gap developed at some midpoint in a magnetic circuit in which the magnetic flux of said permanent magnet passes through said rotating shaft, and a shearing force of said magnetic fluid produced by the magnetic flux of said permanent magnet is exerted on said rotating shaft as a loading force.

3. The simplified loading device according to claim 2, wherein said magnetic fluid is disposed on the peripheral surface of said rotating shaft or the inside surface of said fixed element.

4. The simplified loading device according to any one of claims 1 to 3, wherein magnetic powder is dispersed in a

solution as said magnetic fluid, a drag against shearing due to a fixed chain is created under a condition in which a fixed magnetic force is exerted, and a fixed drag is created even after shearing has been performed.